Index of Claims

Application/Control No.

10/618,419

Examiner

Hung C. Le

Applicant(s)/Patent under Reexamination

HILLIS ET AL.

Art Unit

3663

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | im   |         |          |                                       |          | Date         | e            | _              |  |              |
|-------|--|---------|----------|---------------------------------------|----------|--------------|--------------|----------------|--|--------------|
| Final | Original   | 11/2/05 | 1/19/06  | 8/17/06                               |          |              |              |                |  |              |
| ίĒ    | Öriç   | 11/     | 1/1      | 8/1                                   |          |              |              |                |  |              |
|       | 1  | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 2  | +       | 1        | 1 1                                   |          |              |              |                |  |              |
|       | 3  | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 1<br>2<br>3<br>4<br>5<br>6                         | +       | 7        | 1                                     | L        |              | L            | L              |  |              |
|       | 5  | +       | 1        | 1                                     |          |              |              | L              |  |              |
|       | 6  | +       | 1        | 1                                     | _        | L_           |              |                | _  |              |
|       | 7<br>8   | +       | 1        | 7 7 7                                 | L        | _            |              |                | <u> </u>   |              |
|       | 8  | +       | 1        | 1                                     | _        | <u> </u>     | _            | _              |  |              |
|       | 9  | +       | 1        | 1                                     | <u> </u> | ļ            | <u> </u>     | <u> </u>       |  |              |
|       | 10   | +       | 1        | 1                                     | <u> </u> | <u> </u>     | <u> </u>     | _              |  |              |
|       | 11   | +       |          |                                       | <u> </u> | <u> </u> -   | $\vdash$     | <u> </u>       | ├-   | <u> </u>     |
|       | 12   | +       | 1        | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | -        | $\vdash$     | <del> </del> | <u> </u>       |  | -            |
|       | 13   | +       | 1        | 1                                     |          | <u> </u>     | ⊢            | -              | ⊢  | $\vdash$     |
| -     | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | +       |          | 1                                     | -        | ┢            | ⊢            | $\vdash$       | $\vdash$   | $\vdash$     |
|       | 10   | +       | 1        | 1                                     |          | <del> </del> | -            | <del> </del>   | $\vdash$   | $\vdash$     |
|       | 17   | +       | 1        | 1                                     | $\vdash$ | -            |              | <del>  -</del> | ├-   | $\vdash$     |
|       | 18   | +       | 1        | J                                     | $\vdash$ | $\vdash$     | -            | -              | -  | -            |
|       | 10   | +       | J        | J                                     | $\vdash$ | $\vdash$     | -            | <del> </del>   | -  |              |
|       | 20   | +       | 1        | J                                     | $\vdash$ | ┝            | ┝            | ┝              | -  | $\vdash$     |
|       | 21   | +       | Ì        | Ì                                     | $\vdash$ | _            | -            | ⊢              | -  | -            |
|       | 22   | +       | 1        | Ì                                     |          | _            |              | $\vdash$       | $\vdash$   |              |
|       | 21<br>22<br>23                                     | +       | 1        | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | $\vdash$ |              | _            | $\vdash$       | $\vdash$   | _            |
|       | 24   | +       | 1        | 1                                     |          |              | $\vdash$     |                |  | $\vdash$     |
|       | 24<br>25   | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 26   | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 27   | +       | 1        | 1                                     |          |              |              |                | Г  |              |
|       | 26<br>27<br>28                                     | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 29   | +       | 1        | 1                                     |          |              |              |                |  |              |
|       | 30   | +       | •        | -                                     |          |              |              |                |  |              |
|       | 31   | +       | •        | •                                     |          |              |              |                |  |              |
|       | 32<br>33   | +       | ·        | <u>  -</u>                            |          |              |              |                |  |              |
|       | 33   | +       | -        | <u> -</u>                             | Ш        | L.           | <u> </u>     |                |  | L            |
|       | 34   | +       | -        | <u> </u>                              | Ш        | _            | <u> </u>     |                | <u> </u>   | <u> </u>     |
|       | 35   | +       | <u> </u> | <u> </u>                              |          | <u> </u>     | <u> </u>     |                | <u> </u>   | L            |
|       | 36   | +       | -        | -                                     |          | L            | <u> </u>     |                | <u> </u>   | ļ            |
|       | 37<br>38   | +       | Ŀ        | Ŀ                                     | Ш        | _            | <u> </u>     |                | $\vdash$   | <u> </u>     |
|       | 38   | +       | <u> </u> | -                                     | H        | <u> </u>     | <u> </u>     |                | <u> </u>   | <u> </u>     |
|       | 39   | +       | Ŀ        | -                                     | -        | <u> </u>     | <u> </u>     | <u> </u>       | <del> </del>                                     | $\vdash$     |
|       | 40   | +       | Ë        | <u> </u>                              | -        | <u> </u>     | ├            | _              | ├  | <del> </del> |
| -     | 41   | +       | H        | -                                     | H        | <u> </u>     | -            | -              | $\vdash$   | <u> </u>     |
|       | 42   | +       | Ŀ        | -                                     | $\vdash$ | <u> </u>     | <del> </del> | _              | <u> </u>   |              |
|       | 44   | +       | ⊢        | <del>-</del>                          | -        | <u> </u>     | -            | —              | <del> </del>                                     | ├─           |
|       | 45   | +       | ŀ÷       | -                                     | -        |              | ├-           |                |  | -            |
|       | 46   | +       | ŀ        | -                                     | Н        | <u> </u>     | $\vdash$     | -              | $\vdash$   | $\vdash$     |
|       | 47   | +       | Ė        | -                                     |          | -            | $\vdash$     | -              | <del>                                     </del> | -            |
|       | 48   | +       | -        | -                                     | $\vdash$ | <u> </u>     | -            | _              |  | -            |
|       | 49   | +       | -        | Ι-                                    | $\vdash$ | _            | $\vdash$     | -              |  |              |
|       | 50   | +       | -        |                                       | Н        | <del></del>  | _            | -              | $\vdash$   | $\vdash$     |

| Cla | im       |         |         |          | ī        | Dat      | P.           |              |                |  | 1   | Cla   | im       |         | Date 90/61/1 |   | IΓ |   |   |          |        |           |          |
|-----|----------|---------|---------|----------|----------|----------|--------------|--------------|----------------|--|-----|-------|----------|---------|--------------|---|----|---|---|----------|--------|-----------|----------|
| 101 | Original | 11/2/05 | 1/19/06 | 8/17/06  |          |          |              |              |                |  |     | Final | Original | 11/2/05 | 1/19/06      |   |    |   |   |          |        |           |          |
|     | 1        | +       | 1       | 1        |          |          | -            | -            | -              | -  |     |       | 51       | +       | _            | _ | _  |   |   | <u> </u> | -      | H         | -        |
|     | 2        | +       | 7       | 1        |          |          |              | -            | ├              | -  |     |       | 52       | +       | _            |   |    |   | - | -        | -      |           | ┨┝       |
| _   | 3        | +       | 7       | 7        | ┝        | ├        | $\vdash$     | $\vdash$     | $\vdash$       | ┢  |     |       | 53       | +       | -            | - |    |   |   | ┝        | -      | $\vdash$  | -        |
| _   | 4        | +       | 1       | i        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |                | -  | 1 1 |       | 54       | -       |              |   |    |   | - | $\vdash$ | -      |           |          |
|     | 5        | +       | 1       | 1        | ┢        |          | -            | $\vdash$     |                |  | 1   |       | 55       |         | -            |   |    |   | _ | _        | -      |           |          |
|     | 6        | +       | 1       | 1        |          |          |              | ┢            |                | <del>                                     </del> | 1 1 |       | 56       |         |              |   | -  |   |   | $\vdash$ |        |           |          |
|     | 7        | +       | 1       | 7        |          | _        |              | 1            |                |  | 1   |       | 57       |         | П            |   |    |   |   |          |        |           |          |
|     | 8        | +       | 1       | 1        |          | Π        |              |              |                |  | 1   |       | 58       |         |              |   |    |   |   |          |        |           |          |
|     | 9        | +       | 1       | 7        |          |          |              |              |                |  | 1   |       | 59       |         |              |   |    |   |   |          |        |           |          |
|     | 10       | +       | 1       | 1        |          |          |              |              |                |  | ]   |       | 60       |         |              |   |    |   |   |          |        |           |          |
|     | 11       | +       | 1       | 1        | _        | <u> </u> |              |              |                | _  |     |       | 61       |         |              |   |    |   |   |          |        |           |          |
|     | 12       | +       | 1       | 1        | _        | _        | L.           | L_           |                |  | ] ] |       | 62       |         |              |   |    |   |   |          |        | Ш         |          |
|     | 13       | +       | 7       | 7        |          | _        |              |              |                |  |     |       | 63       |         |              |   |    |   |   | <u> </u> |        |           |          |
|     | 14       | +       | -       | 1        | _        | <u> </u> | _            | <u> </u>     | _              | <u> </u>   |     |       | 64       | _       |              | _ |    |   |   | _        |        |           | -        |
|     | 15       | +       | 1       | 1        |          | <u> </u> |              | _            | <u> </u>       | _  |     |       | 65       | _       |              |   |    |   |   | _        |        | Щ         | -        |
|     | 16<br>17 | +       | 1       | 1        | <u> </u> | -        | ļ            | ├-           | <del>  -</del> | <u> </u>   |     |       | 66       |         |              |   |    |   |   | _        | _      | <b>  </b> | <b> </b> |
| _   | 18       | +       | 7       | 1        | $\vdash$ | $\vdash$ | -            | ├-           | -              | -  | 1   |       | 67       |         | -            |   |    |   |   | _        |        | $\vdash$  | ł ⊦      |
| _   | 19       | +       | 7       | 1        | ⊢        | $\vdash$ | -            | ├─           | -              |  |     |       | 68       | _       | -            | _ |    |   | _ | —        | _      | -         | <b>∤</b> |
| -   | 20       | +       | 7       | 1        | $\vdash$ | -        | -            | ├            | -              | $\vdash$   |     |       | 69<br>70 | _       | _            |   |    |   |   | -        | _      | $\vdash$  | ╎├       |
| -   | 21       | +       | 7       | V        | <u> </u> | -        | -            | $\vdash$     | -              | -  | 1   |       | 71       | -       | -            |   |    |   |   | $\vdash$ |        | $\vdash$  |          |
| -   | 22       | +       | 7       | 1        | -        | _        | $\vdash$     | $\vdash$     |                | $\vdash$   | 1   |       | 72       | -       |              |   |    |   |   | ┢        |        | $\vdash$  | l        |
| -   | 23       | +       | Ì       | 1        | $\vdash$ |          |              | $\vdash$     | $\vdash$       | ┢  | 1   |       | 73       |         | -            |   |    |   | _ | $\vdash$ |        | $\vdash$  | l        |
| _   | 24       | +       | Ì       | V        | $\vdash$ | _        | -            | -            | -              | _  | 1   |       | 74       |         |              |   |    |   |   | $\vdash$ | -      |           |          |
|     | 25       | +       | Ì       | Ť        | $\vdash$ |          | _            | _            | -              |  | 1 1 |       | 75       |         |              |   |    |   | - | $\vdash$ | _      |           | -        |
|     | 26       | +       | Ť       | J        | _        | _        |              | $\vdash$     |                |  | 1   |       | 76       | _       |              |   |    |   |   | $\vdash$ |        | П         | l        |
|     | 27       | +       | 7       | 1        |          |          |              |              |                |  | 1   |       | 77       |         |              |   | _  |   |   |          |        | П         | 1        |
|     | 28       | +       | 1       | 7        |          |          |              |              |                |  | 1   |       | 78       |         |              |   |    |   |   |          |        | П         |          |
|     | 29       | +       | 7       | <b>√</b> |          |          |              |              |                |  |     |       | 79       |         |              |   |    |   |   |          |        | П         |          |
|     | 30       | +       | -       | •        |          |          |              |              |                |  |     |       | 80       |         |              |   |    |   |   |          |        |           |          |
|     | 31       | +       | •       | -        |          |          |              |              |                |  | ]   |       | 81       |         |              |   |    |   |   |          |        |           |          |
| _   | 32       | +       | -       | _        |          |          |              | L            | _              |  |     |       | 82       |         |              |   |    |   |   |          |        |           |          |
| _   | 33       | +       | -       | _        |          |          | _            |              | _              |  |     |       | 83       | _       |              |   |    |   |   | _        |        |           |          |
|     | 34       | +       | -       | -        |          | _        | _            | _            | _              | _  |     |       | 84       |         |              | _ |    |   |   | <u> </u> | _      | Ш         |          |
| _   | 35       | +       | -       | -        | <u> </u> | -        | <u> </u>     | ļ            | <u> </u>       | <u> </u>   |     |       | 85       | Ш       |              |   |    |   |   | <u> </u> | ļ      | $\vdash$  |          |
|     | 36       | +       | -       | _        |          | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>       | ļ  | .   |       | 86       | _       |              |   |    |   |   | <u> </u> |        | Ш         | -        |
| -   | 37<br>38 | +       | •       | -        |          | -        | ┡            | $\vdash$     | _              |  | 1   |       | 87<br>88 |         |              |   |    |   |   | -        |        | $\vdash$  | ┨        |
| -   | 39       | +       | •       | ÷        | $\vdash$ | $\vdash$ | <del> </del> | <del> </del> |                | -  | 1   |       | 89       | -       |              |   |    |   |   | $\vdash$ | _      | $\vdash$  | -        |
| -   | 40       | +       | -       | -        | -        | _        | ⊢            | <del> </del> | -              |  | 1   | -     | 90       | -       | _            |   | -  |   | - | ┝        | -      | $\vdash$  | lŀ       |
|     | 41       | +       |         | -        |          |          | ┝            | ┝            | -              | -  | 1   |       | 91       |         | _            |   |    |   |   | $\vdash$ |        | Н         |          |
| _   | 42       | +       | -       | -        |          |          | $\vdash$     | $\vdash$     | -              | _  | 1   |       | 92       |         | _            | _ |    |   |   | $\vdash$ | _      | Н         |          |
| _   | 43       | +       | -       | -        |          | _        | 一            | <u> </u>     |                | -  | 1   |       | 93       |         | _            | _ |    | - |   | 一        |        | П         |          |
|     | 44       | +       | -       | -        |          |          |              |              | $\vdash$       | T  | 1   |       | 94       |         |              |   |    |   |   | Т        |        | $\Box$    |          |
|     | 45       | +       | -       | -        | П        |          | Ι-           |              |                |  | 1   |       | 95       |         |              |   |    |   |   | Г        | $\Box$ | $\Box$    |          |
|     | 46       | +       | -       | -        |          |          |              |              | Г              |  | ]   |       | 96       |         |              |   |    |   |   | П        |        | П         |          |
|     | 47       | +       | -       | -        |          |          |              |              |                |  |     |       | 97       |         |              |   |    |   |   |          |        |           |          |
|     | 48       | +       | -       | •        |          |          |              |              |                |  |     |       | 98       |         |              |   |    |   |   |          |        |           |          |
|     | 49       | +       | -       | ·        |          |          |              |              | 匚              |  |     |       | 99       |         |              |   |    |   |   |          |        |           |          |
|     | 50       | +       | -       | -        |          |          |              | L            | L              | L  | ]   |       | 100      |         |              |   |    |   |   |          | L      |           | ] [      |
|     |          |         |         |          |          |          |              |              |                |  |     |       |          |         |              |   |    |   |   |          |        |           |          |

| Cli      | aim                      | Г        |          |          | [        | Date  |          | _            |                   | $\neg$   |
|----------|--------------------------|----------|----------|----------|----------|---|----------|--------------|-------------------|----------|
|          |                          |          |          | Γ        |          |   |          |              | Г                 | П        |
| Final    | Original                 |          |          |          |          |   |          |              |                   |          |
| ίΞ       | rig                      |          |          |          |          |   |          |              |                   |          |
|          |                          |          |          | l        |          |   |          |              |                   |          |
|          | 101<br>102               |          |          | Г        |          |   |          |              |                   |          |
|          | 102                      |          |          | Г        | Г        |   |          |              |                   | П        |
|          | 103                      |          |          |          |          |   |          |              |                   |          |
|          | 104                      |          |          |          |          |   |          |              |                   |          |
|          | 105                      |          |          |          |          |   |          |              |                   |          |
|          | 106                      |          |          |          |          |   |          |              |                   |          |
|          | 107                      |          |          | _        |          | <u></u>   |          | L            | L                 | Ш        |
|          | 108                      |          |          |          |          | _   |          |              |                   | Щ        |
|          | 109                      |          | L_       |          |          |   |          |              | _                 | Ш        |
|          | 110<br>111               |          |          |          | _        | $ldsymbol{le}}}}}}$ |          |              |                   | Ш        |
|          | 111                      |          |          | _        | <u> </u> |   |          |              |                   | Ш        |
|          | 112                      | Щ        | L.       |          | <u> </u> | <u> </u>  |          | <u> </u>     | L                 |          |
|          | 112<br>113<br>114<br>115 | <u> </u>  | $\vdash$ | $\vdash$     | $\vdash$          | Ш        |
|          | 114                      | <u> </u> | <u> </u> | H        | <u> </u> | $\vdash$  |          | <u> </u>     | $\vdash$          | Ш        |
|          | 115                      | _        |          | _        | _        |   |          |              | L                 | Н        |
|          | 116                      | $\vdash$ | <u> </u> | <u> </u> | <b>—</b> | <u> </u>  | _        | <u> </u>     | <u> </u>          | $\vdash$ |
| _        | 117<br>118               |          | _        | <u> </u> | <u> </u> | -   | _        | _            | <u> </u>          | $\vdash$ |
|          | 118                      |          | <u> </u> |          | <u> </u> | -   |          |              |                   | $\vdash$ |
| <u> </u> | 119                      |          | -        |          | _        |   | H        | H            | H                 | Н        |
|          | 120<br>121               | _        |          |          | $\vdash$ |   |          |              | $\vdash$          | Н        |
|          | 122                      |          |          | -        | $\vdash$ | $\vdash$  |          |              |                   | Н        |
|          | 122                      | _        |          |          | -        | -   | -        | -            |                   | $\vdash$ |
| $\vdash$ | 123<br>124               |          | _        | _        | -        | $\vdash$  | -        | -            | -                 | -        |
| _        | 125                      |          | _        |          | -        |   |          | -            | -                 |          |
| <u> </u> | 125<br>126<br>127        |          | _        |          | $\vdash$ | H   |          |              | $\vdash$          | Н        |
|          | 127                      | _        | _        | -        | ┢        | $\vdash$  |          | $\vdash$     | $\vdash$          | H        |
|          | 128                      | -        | _        | _        | -        | $\vdash$  |          | Н            | $\vdash$          | $\vdash$ |
|          | 129                      |          |          |          | $\vdash$ |   |          | <del> </del> | _                 | Н        |
|          | 128<br>129<br>130        |          |          |          | $\vdash$ |   |          | $\vdash$     | H                 | $\vdash$ |
|          | 131                      |          |          |          |          |   |          | $\vdash$     | $\vdash$          |          |
|          | 131<br>132               |          |          |          |          |   |          |              |                   |          |
|          | 133                      |          |          |          | $\vdash$ | Г   | Г        | Г            | $\vdash$          |          |
|          | 134                      |          |          |          |          |   |          |              |                   |          |
|          | 135                      |          |          |          |          |   |          |              |                   |          |
|          | 136                      |          |          |          |          |   |          |              |                   |          |
|          | 137                      |          |          |          |          |   |          |              |                   |          |
|          | 138                      |          | <u> </u> | L        |          |   |          |              |                   |          |
|          | 139                      |          |          |          | <u>_</u> | <u></u>   |          | L_           | L                 | Ш        |
|          | 140                      | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _   | $\vdash$ | _            | <u> </u>          | Ш        |
|          | 141                      | <u> </u> |          | <u> </u> |          |   |          |              | $ldsymbol{f eta}$ | Ш        |
| <u> </u> | 142                      |          | <u> </u> | <u> </u> | <u> </u> | $\vdash$  | _        | _            | <u> </u>          |          |
| <u> </u> | 143                      | _        | <u> </u> | <u> </u> | <u> </u> | _   | _        | <u> </u>     | ⊢-                | Ш        |
|          | 144                      | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _   | <u> </u> | $\vdash$     | $\vdash$          |          |
|          | 145                      | $\vdash$ | <u> </u> | <u> </u> | <u> </u> | $\vdash$  | -        | <u> </u>     | <b> </b>          | $\vdash$ |
|          | 146                      | <u> </u> | <u> </u> | <u> </u> | <u> </u> | -   |          | <u> </u>     |                   | Ш        |
|          | 147                      | H        | <u> </u> | <u> </u> | ├-       | $\vdash$  | $\vdash$ | <u> </u>     | <u> </u>          | Н        |
|          | 148                      |          | _        | -        | -        | -   | -        | -            | -                 | Н        |
|          | 149<br>150               | <u> </u> | <u> </u> | <u> </u> | -        | _   | -        | <u> </u>     | -                 | Н        |
|          | 150                      |          | Ц_       | L        |          |   |          |              | L                 |          |